

ECONOLINE - DC/DC-Converter

RUZ Series, 2 Watt, SIP7, Isolated Outputs (Dual Output)

RECOM

Features

- Dual Output from a Single Input Rail
- Power Sharing on Output
- 1kVDC & 2kVDC Isolation
- Toroidal Magnetics
- No Extern. Components Required
- UL94V-0 Package Material

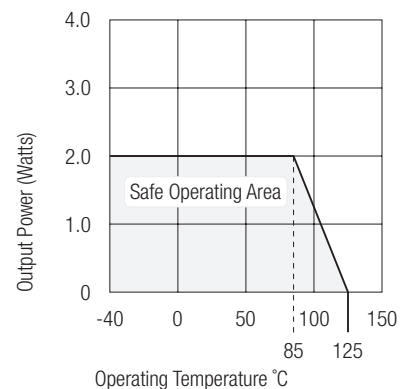


Selection Guide

Part Number SIP7 (2kV)	Input Voltage (VDC)	Output Voltage (V1VDC)	Output Voltage (V2VDC)	Output Current (mA)	Efficiency (%)
RUZ-XX3.33.3 (H)	5, 9, 12, 24	3.3	3.3	303/303	70
RUZ-XX0505 (H)	5, 9, 12, 24	5	5	200/200	70-75
RUZ-XX0909 (H)	5, 9, 12, 24	9	9	111/111	75-80
RUZ-XX1212 (H)	5, 9, 12, 24	12	12	84/84	78-81
RUZ-XX1515 (H)	5, 9, 12, 24	15	15	66/66	80-84
RUZ-XX2424 (H)	5, 9, 12, 24	24	24	42/42	80-85

Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

Input Voltage	±10%	
Input Filter	Capacitor Type	
Output Voltage Accuracy	±5%	
Line Voltage Regulation	1,2%/1% V Input	
Load Voltage Regulation (10% to 100% full load)	3.3V output type 5V output type 9V, 12V, 15V, 24V output types	20% max. 15% max. 10% max.
Ripple and Noise (20MHz limited)	150mVp-p max.	
Efficiency at Full Load	70% min.	
Isolation Voltage	1.000VDC min.	
Isolation Resistance (Viso = 500VDC)	10 GΩ min.	
Isolation Capacitance	40pF min./120pF max.	
Short Circuit Protection	1 Second	
Switching Frequency at Full Load	35kHz min. / 85kHz max.	
Operating Temperature	-40°C to +85°C (see Graph)	
Storage Temperature	-55°C to +125°C	
Package Weight	2.8g	



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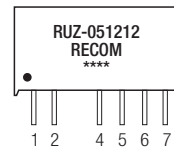
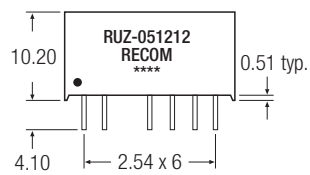
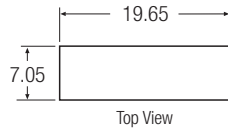
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Package Style and Pinning (mm)

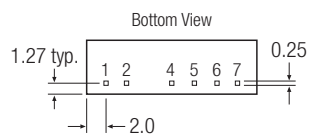
7 PIN SIP Package

3rd angle projection 

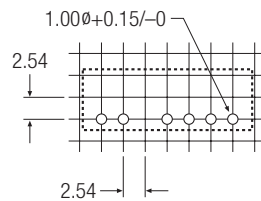


Pin Connections

Pin #	Dual
1	+Vin
2	-Vin
4	+Vout 1
5	-Vout 1
6	+Vout 2
7	-Vout 2



Recommended Footprint Details



XX.X ± 0.5 mm
XX.XX ± 0.25 mm